

Title (en)

CHEMICAL MECHANICAL PLANARIZATION SLURRY AND METHOD FOR FORMING SAME

Title (de)

SCHLÄMME ZUM CHEMISCHEN-MECHANISCHEN POLIEREN UND VERFAHREN ZUR FORMUNG DAVON

Title (fr)

BOUE DE PLANARISATION CHIMICO-MÉCANIQUE ET SON PROCÉDÉ DE FORMATION

Publication

**EP 3516002 B1 20220105 (EN)**

Application

**EP 17853843 A 20170921**

Priority

- US 201662398960 P 20160923
- US 2017052604 W 20170921

Abstract (en)

[origin: US2018086944A1] A CMP slurry including a carrier, a particulate material within the carrier including an oxide, carbide, nitride, boride, diamond or any combination thereof, an oxidizer including at least one material selected from the group of peroxides, persulfates, permanganates, periodates, perchlorates, hypochlorites, iodates, peroxymonosulfates, ceric ammonium nitrate, periodic acid, ferricyanides, or any combination thereof, and a material removal rate index (MRR) of at least 500 nm/hr and an average roughness index (Ra) of not greater than 5 Angstroms according to the Standardized Polishing test.

IPC 8 full level

**C09G 1/02** (2006.01); **C09K 3/14** (2006.01)

CPC (source: EP KR US)

**C09G 1/02** (2013.01 - EP KR US); **C09G 1/04** (2013.01 - US); **C09K 3/14** (2013.01 - KR); **C09K 3/1463** (2013.01 - EP US); **H01L 21/02024** (2013.01 - EP US); **H01L 21/30625** (2013.01 - US); **C09K 3/1436** (2013.01 - EP US)

Designated contracting state (EPC)

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DOCDB simple family (publication)

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**US 201715710897 A 20170921**; CN 201780056425 A 20170921; EP 17853843 A 20170921; JP 2019535226 A 20170921; KR 20197009970 A 20170921; KR 20217009238 A 20170921; TW 106132477 A 20170921; US 2017052604 W 20170921